

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/531,777
Source: PCT
Date Processed by STIC: 02/09/2006

ENTERED



PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/531,777

DATE: 02/09/2006

TIME: 15:02:01

Input Set : A:\PRD0054-US.Sequence Listing.txt

Output Set: N:\CRF4\02092006\J531777.raw

3 <110> APPLICANT: Barbier, Ann Johanna
 4 Wilson, Sandy J.
 5 Mazur, Curt
 7 <120> TITLE OF INVENTION: Assay for Determining the Activity of Fatty Acid Amide Hydrolase

9 <130> FILE REFERENCE: PRI0002

C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/531,777

C--> 11 <141> CURRENT FILING DATE: 2005-04-19

11 <160> NUMBER OF SEQ ID NOS: 8

13 <170> SOFTWARE: PatentIn version 3.1

15 <210> SEQ ID NO: 1

16 <211> LENGTH: 2300

17 <212> TYPE: DNA

18 <213> ORGANISM: Sus scrofa

20 <400> SEQUENCE: 1

21	cggcctcg	tgggagatca	tggtgcagga	agaactgtgg	gctgcgttct	ccggcccctc	60
23	cggggttgcc	ctggcctgct	gtttgggtggc	agcggcccttgc	gccctgcgtt	ggtcaggatcg	120
25	ccggatggcg	cggggcgcgg	cggcccgggc	gcaacagagg	cagcaagcgg	ccctggagac	180
27	catggacaag	gcggcgcagc	gttccggct	ccagaacccc	gatctggact	cgaggatgct	240
29	gctggccctg	ccactgcctc	agctggtaca	gaaggtaacg	agtggggagc	tgtctccaga	300
31	ggctgtgctc	ttttcctacc	tgc当地aaaggc	ctggaaagtgc	aacagaggga	ccaactgcgt	360
33	gaccacctac	ctggcagact	gtgaggctca	gtgtgtccag	gcgc当地gggc	agggcctgct	420
35	ctacgggtgtc	cccgtcagcc	tcaaggagtg	cttcagctgc	aagggc当地tgc	actccacgct	480
37	gggcttggc	cggaaaccagg	ggacaccaggc	agaatgtgac	tgc当地gggtgg	tgc当地gggtct	540
39	gaaactgcag	ggtgctgtgc	ctttcgtgca	caccaacgtc	ccccaggctca	tgttcagcta	600
41	tgactgcagt	aacccctct	ttggccagac	cacgaacccc	tggatgtcgt	ccaagagccc	660
43	ggccggctcc	tcgggaggtg	agggggccct	cattgtctgt	ggaggctccc	cactgggctt	720
45	aggcaccgac	atcggggca	gcatccgctt	tccctccgcc	ttctgtggca	tctgc当地at	780
47	caaacccacg	gggaaccgca	tcaagcaagag	tggtctgaag	gctctgtct	atggacaggt	840
49	agcagtgcag	ctctcagtgg	gc当地catggc	gc当地gacgtg	gagagcctgg	ccctgtgcct	900
51	gcgtgcgtc	ctgtgc当地ag	acatgttccg	cctggacccc	acgggc当地tgc	ccctgc当地tt	960
53	caacgaggag	gtctacgcaa	gctctcgcc	cctgc当地gtc	gggttattatg	agaccgacaa	1020
55	ctacaccatg	cccacccgg	ccatgaggcg	ggccctgctg	gagaccaagc	ggaggc当地tga	1080
57	ggctgc当地gc	cacacgtga	ttcccttcct	gc当地ggccaa	ataccccaac	ctctggaggc	1140
59	cctgtcaacg	ggc当地ggctct	tcaagtgtatgg	tgggaaagagg	ttgtctacaga	acttgc当地agg	1200
61	cgattacgtg	gactcctgct	taggggacct	gatctcaatt	ctgaggctgc	ccaaatggct	1260
63	taaaggactg	ctggc当地ttca	tgctgaggcc	tctgtccca	agggtggcag	gctttctc当地g	1320
65	cagcctgagg	cctcggtcgg	ctggaaagct	ctgggaaactg	cagcacgaga	ttgagatgt	1380
67	ccgtcactcc	gtgattgccc	agtgccgagc	gctggacctg	gatgtggc当地	taaccccat	1440
69	gctgagccct	gccctagact	tgaatgcccc	aggcaaggcc	acaggggccg	tcaactacac	1500
71	gctgctctac	aactgc当地tgg	acttccccgc	gggggtgggt	cctgtcacca	cggtgactgc	1560
73	cgaggacgag	gcccatgaaaga	ggaggcgtggg	gctgc当地tgc	ggc当地gtc当地gt	gggacaagg	1620
75	ggtgc当地agaag	gccatgaaaga	ggaggcgtggg	gctgc当地tgc	ggc当地gtc当地gt	gtgtggctt	1680
77	gc当地ctggcc	gaggagctgt	gtttgc当地gtt	catgc当地gggag	gtggagc当地ac	tgtatggctcc	1740

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/531,777

DATE: 02/09/2006

TIME: 15:02:01

Input Set : A:\PRD0054-US.Sequence Listing.txt
 Output Set: N:\CRF4\02092006\J531777.raw

79	tggcgccag	ccctcctgac	cgtgcggc	ccggcccccc	aggacctgag	acccactgga	1800									
81	tccgcgcca	gcggagtca	gacacaactg	ccaccgtca	agaaaatgtt	caacctcagg	1860									
83	cagaggcttc	ccggctctc	cccctcgccc	ctgccagaag	cccagaacca	ctgagtctgg	1920									
85	actttgcct	tcccgtggc	cctgctctgc	cctgaccccg	ccaatgtggc	agctagtgaa	1980									
87	tatgacatgg	caaaggcccc	ccaaaccgtca	aaaaccgggtt	cctggcttcc	atactttctg	2040									
89	gcagtcgtt	ttagggcagt	gggggttgg	gacctgacct	tctggaaaccc	gactccagcc	2100									
91	atgtccgtt	cgtgctgcag	aagcttctct	ggtccctcg	actcacggc	agacaccggc	2160									
93	ttctccgagt	gggcctgca	gcccaggact	tcaccccgcc	gccccccagcc	taagccctac	2220									
95	tttgcgaggc	attgtttct	ctccctgcct	ctgctgaggg	tgcccttct	gctcctctac	2280									
97	cattaaatcc	tttgagggcc					2300									
100	<210>	SEQ ID NO:	2													
101	<211>	LENGTH:	579													
102	<212>	TYPE:	PRT													
103	<213>	ORGANISM:	Sus scrofa													
105	<400>	SEQUENCE:	2													
107	Met	Val	Gln	Glu	Leu	Trp	Ala	Ala	Phe	Ser	Gly	Pro	Ser	Gly	Val	
108	1			5			10					15				
111	Ala	Leu	Ala	Cys	Cys	Leu	Val	Ala	Ala	Ala	Leu	Ala	Leu	Arg	Trp	Ser
112				20			25					30				
115	Ser	Arg	Arg	Met	Ala	Arg	Gly	Ala	Ala	Ala	Arg	Ala	Arg	Gln	Arg	Gln
116				35			40					45				
119	Gln	Ala	Ala	Leu	Glu	Thr	Met	Asp	Lys	Ala	Ala	Gln	Arg	Phe	Arg	Leu
120				50			55					60				
123	Gln	Asn	Pro	Asp	Leu	Asp	Ser	Glu	Met	Leu	Leu	Ala	Leu	Pro	Leu	Pro
124				65			70					75				80
127	Gln	Leu	Val	Gln	Lys	Val	Arg	Ser	Gly	Glu	Leu	Ser	Pro	Glu	Ala	Val
128				85			90					95				
131	Leu	Phe	Ser	Tyr	Leu	Gln	Lys	Ala	Trp	Glu	Val	Asn	Arg	Gly	Thr	Asn
132				100			105					110				
135	Cys	Val	Thr	Thr	Tyr	Leu	Ala	Asp	Cys	Glu	Ala	Gln	Leu	Cys	Gln	Ala
136				115			120					125				
139	Pro	Gly	Gln	Gly	Leu	Leu	Tyr	Gly	Val	Pro	Val	Ser	Leu	Lys	Glu	Cys
140				130			135					140				
143	Phe	Ser	Cys	Lys	Gly	His	Asp	Ser	Thr	Leu	Gly	Leu	Ser	Arg	Asn	Gln
144				145			150					155				160
147	Gly	Thr	Pro	Ala	Glu	Cys	Asp	Cys	Val	Val	Val	Gln	Val	Leu	Lys	Leu
148				165			170					175				
151	Gln	Gly	Ala	Val	Pro	Phe	Val	His	Thr	Asn	Val	Pro	Gln	Ser	Met	Phe
152				180			185					190				
155	Ser	Tyr	Asp	Cys	Ser	Asn	Pro	Leu	Phe	Gly	Gln	Thr	Thr	Asn	Pro	Trp
156				195			200					205				
159	Met	Ser	Ser	Lys	Ser	Pro	Gly	Gly	Ser	Ser	Gly	Gly	Glu	Gly	Ala	Leu
160				210			215					220				
163	Ile	Ala	Ala	Gly	Gly	Ser	Pro	Leu	Gly	Leu	Gly	Thr	Asp	Ile	Gly	Gly
164				225			230					235				240
167	Ser	Ile	Arg	Phe	Pro	Ser	Ala	Phe	Cys	Gly	Ile	Cys	Gly	Ile	Lys	Pro
168				245			250					255				
171	Thr	Gly	Asn	Arg	Ile	Ser	Lys	Ser	Gly	Leu	Lys	Gly	Ser	Val	Tyr	Gly
172				260			265					270				

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/531,777

DATE: 02/09/2006

TIME: 15:02:01

Input Set : A:\PRD0054-US.Sequence Listing.txt
 Output Set: N:\CRF4\02092006\J531777.raw

175 Gln Val Ala Val Gln Leu Ser Val Gly Pro Met Ala Arg Asp Val Glu
 176 275 280 285
 179 Ser Leu Ala Leu Cys Leu Arg Ala Leu Leu Cys Glu Asp Met Phe Arg
 180 290 295 300
 183 Leu Asp Pro Thr Val Pro Pro Leu Pro Phe Asn Glu Glu Val Tyr Ala
 184 305 310 315 320
 187 Ser Ser Arg Pro Leu Arg Val Gly Tyr Tyr Glu Thr Asp Asn Tyr Thr
 188 325 330 335
 191 Met Pro Thr Pro Ala Met Arg Arg Ala Leu Leu Glu Thr Lys Arg Ser
 192 340 345 350
 195 Leu Glu Ala Ala Gly His Thr Leu Ile Pro Phe Leu Pro Ala Asn Ile
 196 355 360 365
 199 Pro His Ala Leu Glu Ala Leu Ser Thr Gly Gly Leu Phe Ser Asp Gly
 200 370 375 380
 203 Gly Lys Arg Leu Leu Gln Asn Phe Glu Gly Asp Tyr Val Asp Ser Cys
 204 385 390 395 400
 207 Leu Gly Asp Leu Ile Ser Ile Leu Arg Leu Pro Lys Trp Leu Lys Gly
 208 405 410 415
 211 Leu Leu Ala Phe Met Leu Arg Pro Leu Leu Pro Arg Leu Ala Gly Phe
 212 420 425 430
 215 Leu Ser Ser Leu Arg Pro Arg Ser Ala Gly Lys Leu Trp Glu Leu Gln
 216 435 440 445
 219 His Glu Ile Glu Met Tyr Arg His Ser Val Ile Ala Gln Trp Arg Ala
 220 450 455 460
 223 Leu Asp Leu Asp Val Val Leu Thr Pro Met Leu Ser Pro Ala Leu Asp
 224 465 470 475 480
 227 Leu Asn Ala Pro Gly Lys Ala Thr Gly Ala Val Ser Tyr Thr Leu Leu
 228 485 490 495
 231 Tyr Asn Cys Leu Asp Phe Pro Ala Gly Val Val Pro Val Thr Thr Val
 232 500 505 510
 235 Thr Ala Glu Asp Glu Ala Gln Met Glu His Tyr Lys Gly Tyr Phe Gly
 236 515 520 525
 239 Asp Ile Trp Asp Lys Val Val Gln Lys Ala Met Lys Arg Ser Val Gly
 240 530 535 540
 243 Leu Pro Val Ala Val Gln Cys Val Ala Leu Pro Trp Gln Glu Glu Leu
 244 545 550 555 560
 247 Cys Leu Arg Phe Met Arg Glu Val Glu Arg Leu Met Ala Pro Gly Arg
 248 565 570 575
 251 Gln Pro Ser
 255 <210> SEQ ID NO: 3
 256 <211> LENGTH: 1740
 257 <212> TYPE: DNA
 258 <213> ORGANISM: Mouse
 260 <400> SEQUENCE: 3
 261 atggtgctga gcgaagtgtg gaccgcgtg tctggactct ccggggtttg cctagcctgc 60
 263 agtttgctgt cggcgccgtt ggtcctgcga tggaccagga gccagacccgc ccggggcgcg 120
 265 gtgaccaggg cgccggcagaa gcagcgagcc ggcctggaga ccatggacaa ggccgtgcag 180
 267 cgcttcggc tgcagaatcc tgacctggat tcagaggcct tgctggctct gcccctgctc 240
 269 caactggtaa agaagttaca gagtggggaa ctgtccccag aagctgtgct ctttacctac 300

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/531,777

DATE: 02/09/2006

TIME: 15:02:01

Input Set : A:\PRD0054-US.Sequence Listing.txt
 Output Set: N:\CRF4\02092006\J531777.raw

271	ctggaaagg	cctggaaagt	gaacaaaggg	accaactgtg	tgacctcta	tctgactgac	360
273	tgtgagactc	agctgtccca	gcccccacgg	cagggcctgc	tctatggcg	cccgctgagc	420
275	ctcaaggaat	gcttcagcta	caagggccat	gcttccacac	tgggcttaag	tttgaacgag	480
277	ggtgtgacat	cggagagtga	ctgtgtgg	gtcaggtac	tgaagctgca	gggagctgtg	540
279	cccttgc	acaccaacgt	cccccagtcc	atgctaagct	atgactgcag	taaccccctc	600
281	tttggccaga	ccatgaaccc	gtggaagccc	tccaagagtc	caggagg	ctcagggggt	660
283	gagggggctc	tcattggatc	tggaggctcc	cctctgggtt	taggcactga	catcgccg	720
285	agcatccggt	tccctctgc	cttctgtggc	atctgtggc	tcaagcc	tggAACCGC	780
287	ctcagcaaga	gtggcctgaa	gagctgtgtt	tatgacaga	cagcagtgc	gcttctgtt	840
289	ggccccatgg	cacggatgt	gatagcctg	gcattgtca	tgaaagcc	actttgtgag	900
291	gatttgc	gcttgactc	caccatcccc	ccctgcct	tcagggagga	gatctacaga	960
293	agttctcgac	ccctcgtgt	gggatactat	gaaactgaca	actacaccat	gcccactcca	1020
295	gccatgagga	gggctgtgt	gagacccaag	cagagtctcg	aggctgtgg	ccacacgctg	1080
297	gtccccttct	taccaaacaa	cataccttat	gccctggagg	tcctgtcg	aggtgggctg	1140
299	ttcagtgtat	gtggctgctc	ttttctccaa	aactcaaag	gcgactt	ggatccctgc	1200
301	ttgggggacc	ttgtcttagt	gctgaagctg	cccaggtgg	ttaaaaact	gctgagcttc	1260
303	ctgctgaagc	ctctgtttcc	tcggctggca	gccttctca	acagtatgt	tcctcggtca	1320
305	gccgaaaagc	tgtggaaact	gcagcatgag	attgagatgt	atcgccagtc	cgtcattgcc	1380
307	cagtggaaagg	caatgaactt	ggacgtgg	ctaacc	tgctgg	tgctctggat	1440
309	ttgaacgcac	cggcagagc	cacaggg	atcagctaca	ctgttctct	taactgcctg	1500
311	gacttccctg	cgggggtgg	gcctgtcacc	actgtgaccg	ctgaggacga	tgcccagatg	1560
313	gaacactaca	aaggctactt	tggggatatg	tggacaaca	ttctgaagaa	gggcatgaaa	1620
315	aagggtata	gcctgcctgt	ggctgtgcag	tgcgtgg	tgccctgca	ggaagagctg	1680
317	tgtctgcgg	tcatgcgg	ggtggaaacgg	ctgatgaccc	ctgaaaagcg	gccatcttga	1740

320 <210> SEQ ID NO: 4

321 <211> LENGTH: 579

322 <212> TYPE: PRT

323 <213> ORGANISM: Mouse

325 <400> SEQUENCE: 4

327	Met	Val	Leu	Ser	Glu	Val	Trp	Thr	Ala	Leu	Ser	Gly	Leu	Ser	Gly	Val
328	1				5			10							15	
331	Cys	Leu	Ala	Cys	Ser	Leu	Leu	Ser	Ala	Ala	Val	Val	Leu	Arg	Trp	Thr
332						20			25						30	
335	Arg	Ser	Gln	Thr	Ala	Arg	Gly	Ala	Val	Thr	Arg	Ala	Arg	Gln	Lys	Gln
336						35			40						45	
339	Arg	Ala	Gly	Leu	Glu	Thr	Met	Asp	Lys	Ala	Val	Gln	Arg	Phe	Arg	Leu
340						50			55						60	
343	Gln	Asn	Pro	Asp	Leu	Asp	Ser	Glu	Ala	Leu	Leu	Ala	Leu	Pro	Leu	Leu
344						65			70						80	
347	Gln	Leu	Val	Gln	Lys	Leu	Gln	Ser	Gly	Glu	Leu	Ser	Pro	Glu	Ala	Val
348						85			90						95	
351	Leu	Phe	Thr	Tyr	Leu	Gly	Lys	Ala	Trp	Glu	Val	Asn	Lys	Gly	Thr	Asn
352						100			105						110	
355	Cys	Val	Thr	Ser	Tyr	Leu	Thr	Asp	Cys	Glu	Thr	Gln	Leu	Ser	Gln	Ala
356						115			120						125	
359	Pro	Arg	Gln	Gly	Leu	Leu	Tyr	Gly	Val	Pro	Val	Ser	Leu	Lys	Glu	Cys
360						130			135						140	
363	Phe	Ser	Tyr	Lys	Gly	His	Ala	Ser	Thr	Leu	Gly	Leu	Ser	Leu	Asn	Glu
364						145			150						155	

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/531,777

DATE: 02/09/2006
TIME: 15:02:01

Input Set : A:\PRD0054-US.Sequence Listing.txt
Output Set: N:\CRF4\02092006\J531777.raw

367 Gly Val Thr Ser Glu Ser Asp Cys Val Val Gln Val Leu Lys Leu
 368 165 170 175
 371 Gln Gly Ala Val Pro Phe Val His Thr Asn Val Pro Gln Ser Met Leu
 372 180 185 190
 375 Ser Tyr Asp Cys Ser Asn Pro Leu Phe Gly Gln Thr Met Asn Pro Trp
 376 195 200 205
 379 Lys Pro Ser Lys Ser Pro Gly Gly Ser Ser Gly Gly Glu Gly Ala Leu
 380 210 215 220
 383 Ile Gly Ser Gly Gly Ser Pro Leu Gly Leu Gly Thr Asp Ile Gly Gly
 384 225 230 235 240
 387 Ser Ile Arg Phe Pro Ser Ala Phe Cys Gly Ile Cys Gly Leu Lys Pro
 388 245 250 255
 391 Thr Gly Asn Arg Leu Ser Lys Ser Gly Leu Lys Ser Cys Val Tyr Gly
 392 260 265 270
 395 Gln Thr Ala Val Gln Leu Ser Val Gly Pro Met Ala Arg Asp Val Asp
 396 275 280 285
 399 Ser Leu Ala Leu Cys Met Lys Ala Leu Leu Cys Glu Asp Leu Phe Arg
 400 290 295 300
 403 Leu Asp Ser Thr Ile Pro Pro Leu Pro Phe Arg Glu Glu Ile Tyr Arg
 404 305 310 315 320
 407 Ser Ser Arg Pro Leu Arg Val Gly Tyr Tyr Glu Thr Asp Asn Tyr Thr
 408 325 330 335
 411 Met Pro Thr Pro Ala Met Arg Arg Ala Val Met Glu Thr Lys Gln Ser
 412 340 345 350
 415 Leu Glu Ala Ala Gly His Thr Leu Val Pro Phe Leu Pro Asn Asn Ile
 416 355 360 365
 419 Pro Tyr Ala Leu Glu Val Leu Ser Ala Gly Gly Leu Phe Ser Asp Gly
 420 370 375 380
 423 Gly Cys Ser Phe Leu Gln Asn Phe Lys Gly Asp Phe Val Asp Pro Cys
 424 385 390 395 400
 427 Leu Gly Asp Leu Val Leu Val Leu Lys Leu Pro Arg Trp Phe Lys Lys
 428 405 410 415
 431 Leu Leu Ser Phe Leu Leu Lys Pro Leu Phe Pro Arg Leu Ala Ala Phe
 432 420 425 430
 435 Leu Asn Ser Met Cys Pro Arg Ser Ala Glu Lys Leu Trp Glu Leu Gln
 436 435 440 445
 439 His Glu Ile Glu Met Tyr Arg Gln Ser Val Ile Ala Gln Trp Lys Ala
 440 450 455 460
 443 Met Asn Leu Asp Val Val Leu Thr Pro Met Leu Gly Pro Ala Leu Asp
 444 465 470 475 480
 447 Leu Asn Ala Pro Gly Arg Ala Thr Gly Ala Ile Ser Tyr Thr Val Leu
 448 485 490 495
 451 Tyr Asn Cys Leu Asp Phe Pro Ala Gly Val Val Pro Val Thr Thr Val
 452 500 505 510
 455 Thr Ala Glu Asp Asp Ala Gln Met Glu His Tyr Lys Gly Tyr Phe Gly
 456 515 520 525
 459 Asp Met Trp Asp Asn Ile Leu Lys Lys Gly Met Lys Lys Gly Ile Gly
 460 530 535 540
 463 Leu Pro Val Ala Val Gln Cys Val Ala Leu Pro Trp Gln Glu Leu

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/531,777

DATE: 02/09/2006

TIME: 15:02:02

Input Set : A:\PRD0054-US.Sequence Listing.txt
Output Set: N:\CRF4\02092006\J531777.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date